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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/761,583

01/22/2004

Liu Qing

089229.00130

4262

32294 7590 08/08/2007  
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EXAMINER

SAM, PHIRIN

ART UNIT

PAPER NUMBER

2616

MAIL DATE

DELIVERY MODE

08/08/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/761,583	<b>Applicant(s)</b> QING ET AL.	
	<b>Examiner</b> Phirin Sam	<b>Art Unit</b> 2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 January 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-34 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) 1-24 is/are allowed.
- 6) ☒ Claim(s) 25-34 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

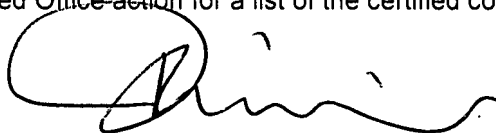
**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 January 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.



**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**PHIRIN SAM**  
**PRIMARY EXAMINER**

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 25-34 are rejected under 35 U.S.C. 102(b) as being anticipated by US 2002/0007411 (hereinafter referred as “Shaked”).

**Regarding claim 25**, Shaked discloses an intermediate node for redirecting service requests within a domain of a network (see Fig. 1, element 14, paragraph 0084), wherein the network comprises a plurality of domains (see Fig. 1), wherein said intermediate node is connected to an entry node, to a database, and to a plurality of service nodes of said domain (see Fig. 1), said intermediate node comprising:

- (a) receiving means for receiving a service request from a service request input node (see Fig. 1, 3a, paragraph [0084]);
- (b) look-up means for performing, based on a received service request, a look-up in a database for obtaining destination information required for forwarding said service request to a destination (see Fig. 2, elements 18, 22, and 32, paragraphs [0079], [0080]);
- (c) sending means for sending said destination information from an intermediate node to said service request input node (see Figs. 1, 3a, paragraph [0084]).

**Regarding claim 26,** Shaked discloses said service requests comprise AAA service requests associated with authentication, authorization, and accounting functions (see Fig. 4, paragraphs [0092]-[0095]).

**Regarding claim 27,** Shaked discloses a service node of a domain of a network (see Fig. 1), wherein the network comprises a plurality of domains (see Figs. 1), wherein said service node provides services (see Fig. 1, element 12, paragraph [0068]) for a user terminal (see Fig. 1, element 10, paragraphs [0068], [0070]) associated with said service node (see Fig. 1, element 12, paragraph [0070]), wherein said services are requested by service requests originating from said user terminal (see Figs. 1, 2, paragraphs [0070], [0071], [0076]), wherein said service node is connected to an entry node of said domain (see Fig. 1), to an intermediate node of said domain which redirects service requests within said domain, and to service nodes of said domain (see Figs. 1 and 3a, element 14, paragraphs [0072], [0084], [0085]).

**Regarding claim 28,** Shaked discloses service requests comprise AAA service requests associated with authentication, authorization, and accounting purposes functions (see Fig. 4, paragraphs [0092]-[0095]).

**Regarding claims 29-32,** Shaked discloses a service request input node within a domain of a network, wherein the network comprises of a plurality of domains (see Fig. 1), wherein said service request input node processes service requests originated from user terminals of said network (see Fig. 1), and wherein said service request input node is connected to an intermediate node of said domain which redirects service requests within a domain (see Fig. 1, element 14), and to a plurality of service nodes of said domain (see Fig. 1); said service request input node comprising:

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- (a) redirecting control means for controlling a redirecting of a received incoming service request (see Figs. 1 and 3a, element 14, paragraphs [0084], [0085]);
- (b) transmitting means for transmitting said received incoming service request to an intermediate node for obtaining destination information required for forwarding a service request to a destination (see Figs. 1, 3a, paragraphs [0084], [0086]);
- (c) forwarding means for forwarding said service request, based on said received destination information, from a service request input node to said destination (see Figs. 1, 3a, paragraphs [0085], [0086]).

**Regarding claim 34**, Shaked discloses the service requests comprise AAA service requests associated with authentication, authorization, and accounting functions (see Fig. 4, paragraphs [0092]-[0095]).

***Allowable Subject Matter***

- 3. Claims 1-24 are allowed.

***Conclusion***

- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phirin Sam whose telephone number is (571) 272-3082. The examiner can normally be reached on a compress schedule, from 8:00-5:30, first Wed off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on (571) 272 - 3134. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Respectfully submitted,

Date: August 5, 2007

A handwritten signature in black ink, appearing to read 'Phirin', written over a horizontal line.

**PHIRIN SAM  
PRIMARY EXAMINER**